

Serial No. 10/798,899

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strike through~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims 11-18 in accordance with the following:

1. (ORIGINAL) A method for performing OTDR measurement in an optical transmission system including a first terminal station and a second terminal station,

wherein OTDR signal light is transmitted from an OTDR provided in the first terminal station to the second terminal station, in which the OTDR signal light is Raman amplified by using main signal light of the optical transmission system as pump light.

2. (ORIGINAL) The method as claimed in claim 1, wherein the OTDR signal light is Raman amplified by using the main signal light that is transmitted from the first terminal station.

3. (ORIGINAL) The method as claimed in claim 1, the OTDR signal light is Raman amplified by using the main signal light transmitted from the second terminal station.

4. (ORIGINAL) The method as claimed in claim 1, wherein the main signal light used as the pump light for the OTDR signal light is Raman amplified by using pump light, transmitted from the first terminal station, that is usually used for Raman amplifying main signal light transmitted from the second terminal station to the first terminal station.

5. (ORIGINAL) The method as claimed in claim 1, wherein the main signal light used as the pump light for the OTDR signal light is Raman amplified by using pump light, transmitted from the second terminal station, that is usually used for Raman amplifying main signal light transmitted from the first terminal station to the second terminal station.

6. (ORIGINAL) The method as claimed in claim 1, wherein a wavelength band of the main signal light of the optical transmission system is 1550 nm band, and a wavelength band of the OTDR signal light is 1650 nm band.

7. (ORIGINAL) A method for performing OTDR measurement in an optical transmission system including a first terminal station and a second terminal station,

Serial No. 10/798,899

wherein OTDR signal light is transmitted from an OTDR provided in the first terminal station to the second terminal station, in which the OTDR signal light is Raman amplified by using pump light for main signal light of the optical transmission system.

8. (ORIGINAL) The method as claimed in claim 7, wherein a wavelength band of the pump light for the main signal light in the optical transmission system is 1450 nm band or 1480 nm band, and a wavelength band of the OTDR signal light is 1550 nm band.

9. (ORIGINAL) A method for performing OTDR measurement in an optical transmission system including a first terminal station and a second terminal station,

wherein OTDR signal light is transmitted from an OTDR provided in the first terminal station to the second terminal station, in which the OTDR signal light is remote pump amplified and Raman amplified by using pump light for remote pump amplification that is transmitted from the first terminal station.

10. (ORIGINAL) The method as claimed in claim 9, wherein a wavelength band of each of main signal light in the optical transmission system and the OTDR signal light is 1550 nm band.

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